2006 Purdue Crop Cost & Return Guide

Table 2. Estimated per Farm Crop Budgets for Low, Average, and High Productivity Indiana Solls

Effect on Earnings for Each of Four Crop Rotations on Three Soil Types Using Similar Machinery and Labor When Farm Size Is Adjusted to Pi

		LOW Proof	Low Productivity Soil			Average Proc	Cothatha Soil	W Soil		l	CONTRACTOR	
arm Acres	900	1000	1200	1200	900	TOO TOO	TOURCHVILY SOIL			High Produ	ctivity Soil	
otation	o-c	ဂ ှ	c-b, c-w	c-b.c-w de	3 6	0 0	1200	1200	900	1000	1200	1200
Crop contribution margin ²	\$34,200	\$97,500	\$117 400	\$173.600	500	0.0	C-b, c-W	c-b, c-w, dc	C-6	င္မ	c-b, c-w	c-b, c-₩
Government payment ³	20.241	17.175	22 508	32,000	903,100	\$131,500	\$152,200	\$162,600		\$176,000 \$	198.600	\$215.40
Total contribution margin	* A A A	444	100,000	086,22	23,670	20,070	26,222	26,222		24 820	31 70	1 10
Annual overhead costs:		1,070	4108,880	\$146,196	\$76,770	\$151,570	\$178,422	\$188,822	\$110,259	\$200,820	230.394	\$247.10
Machinery replacement	45,000	48,500	48,500	49 000	48 500	5	3				٠.	
rying/handling	6,300	6,300	6,300	6,300	7 200	52,100 7 200	52,100	52,600	54,000	57,500	57,500	58,00
Family and hired labor5	39,000	39,000	39,000	39,000	39.000	30.7.2	30,000	7,200	8,100	8,100	8,100	8,10
and	\$97,200	\$108,000	\$129,600	\$129 600	\$130 soo	9 000	39,000	38,000	39,000	39,000	39,000	39,00
Earnings or (losses)	-\$133,0\$9	-\$87,125	\$83,404	-\$77.704	\$138.630	- \$80 730	\$160,800	\$160,800	\$148,500	\$165,000	\$198,000	\$198,00
					* . 00,000	- WOO, 100	-\$00,078	-\$/0.//8	-\$139,341	-\$68,780	-\$72 ,206	-\$55.90
Rotations are as follows: C-C = 000 control continues to the control c	المراجد ووود								The state of the s			The second second

b, c-w, dc = 400 acres corn - 400 acres soybeans plus 200 acres corn - 200 acres wheat, double crop beans (dc) ိုCrop's contribution margin is per acre contribution margin from Table 1 times number of acres. tinuous com; c-b = 500 acres rotation com - 500 acres soybeans, c-b, c-w = 400 acres com - 400 acres soybeans plus 200 acres com - 200 acres wheat; c-

Government payment includes the direct payment and the counter cyclical payment. The per bushel direct payment rate is \$0.28 for corn. \$0.44 for soybeans, and \$0.52 for wheat. Direct payment yields for corn were 94.5, 110.5, 136.6 on low, average, and high soils. Direct payment yields for soybeans were 31.7, 37.0, and 45.8 for low, average, and high soils. The counter cyclical payments were based on a target price of \$2.83 for corn, \$5.80 for cyclical yields for wheat were 59.5, 66.7, 73.8 for low, average, and high solls. A base acre for each acre of crop raised was assumed soybeans, and \$3.92 for wheat. The average marketing year price assumed was \$2.43 for corn, \$6.07 for soybeans, and \$3.72 for wheat. The counter cyclical yields for corn were 108.1, 133.4. and 164.1 for low, average, and high soils. The counter cyclical yields for soybeans were 36.2, 44.7, and 55.0 for low, average and high soils. The counter

added for double-crop beans. Average annual replacement costs were calculated using the Purdue Machinery Cost Calculator for timely set of fall plow or chisel tillage. Replacement costs for no-till are about 75% of fall chisel tillage. Seven-year trading policy assumed for combine and planter, 10-year policy for other field machinery. On livestock farms where fewer hours each day are available for crops, or on small farms, machinery costs and/or labor costs will be higher. On well-drained solls where more days are sultable for The same basic machinery set, which is timely for each rotation, is used on all four farms of the same soil type. A no-till drill is added for beans, and a larger combine platform is

Based on cash rent at \$108 per acre of low-yield soll, \$134 per acre on average-yield soll, and \$165 per acre on high-yield soll Labor expenses include a family living withdrawal of \$26,989 (\$52,908 of family living expenses less \$25,919 in net nonfarm income. Values are reported in Farm Income & Production Costs for 2003, University of Illinois Extension, AE-4566, April 2004), and the balance is used for part-time hired labor.

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